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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/057,583	01/24/2002	Martti Y.O. Kangas	11146	1832
75	590 01/18/2005		EXAMINER	
Walter A. Rodgers 880 North Island Drive			HWU, DAVIS D	
Atlanta, GA 3			ART UNIT PAPER NUMBER	
•			3752	
			DATE MAILED: 01/18/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

•	Application N .	Applicant(s)	
	10/057,583	KANGAS ET AL.	Sn
Office Action Summary	Examiner	Art Unit	
	Davis D. Hwu	3752	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet	with the correspond nc addres	s
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a within the statutory minimum of the fill apply and will expire SIX (6) MX cause the application to become	a reply be timely filed nirty (30) days will be considered timely. DNTHS from the mailing date of this communication (35 U.S.C. § 133).	nication.
Status			
1)	action is non-final. nce except for formal ma		rits is
Disposition of Claims			•
4) ⊠ Claim(s) 1-12 and 19-25 is/are pending in the a 4a) Of the above claim(s) is/are withdraw 5) ⊠ Claim(s) 19 and 20 is/are allowed. 6) ⊠ Claim(s) 1-10 and 21-25 is/are rejected. 7) ⊠ Claim(s) 11 and 12 is/are objected to. 8) □ Claim(s) are subject to restriction and/or	vn from consideration.		
Application Papers .			•
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplicated any not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine	epted or b) objected t drawing(s) be held in abey ion is required if the drawir	ance. See 37 CFR 1.85(a). ng(s) is objected to. See 37 CFR 1.	
Priority under 35 U.S.C. § 119		•	
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in rity documents have bee u (PCT Rule 17.2(a)).	Application No en received in this National Sta	ge ✓
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04) Office Action (PTO-892) Office Action (PTO-948) Office Action (PTO-948)	Paper N	w Summary (PTO-413) lo(s)/Mail Date of Informal Patent Application (PTO-152	

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1 and 21 are rejected under 35 U.S.C. 102(b) as being anticipated by Brown et al.

Brown et al. show an atomizer comprising a housing (20, 22, and 12), the housing having three inlets, the three channels each including a nozzle in communication respectively with the inlets, the three inlets comprising a fluid-receiving first inlet 92 associated with nozzle 19, a fluid receiving second inlet 84 associated with nozzle 48, a liquid (oil) receiving third inlet 32, one of the channels 28 being the innermost channel, the innermost channel being associated with the third inlet and being uniform in diameter, and the one of the nozzles associated 50 associated with the innermost channel extending outwardly of the housing beyond the other two of the nozzles.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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4. Claims 1-10 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brown et al.

Since the device of Brown et al. comprises all of the claimed structural limitations, it is fully capable of receiving the various fluids as claimed in claims 2-10 of the instant invention. The operational pressure as recited in claim 22 is an obvious matter of user preference.

5. Claims 23-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brown et al. in view of Troy.

Troy teaches that the use of non-stick coatings in passageways of nozzle devices is well known to prevent the build up various products. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified the device of Brown et al. by coating the inner channel with non-stick material as taught by Troy to prevent the build up of material passing through the channel. Regarding claim 25, since the device of Brown et al. is a burner, it would be obvious to one having ordinary skill in the art that the material of the device of Brown et al. would be heat resistant.

Allowable Subject Matter

- 6. Claims 11 and 12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 7. Claims 19 and 20 are allowed.

Conclusion

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8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The patents to Breitsprecher and Ishikawa et al. are pertinent to Applicant's invention.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Davis D. Hwu whose telephone number is 571-272-4904. The examiner can normally be reached on 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Scherbel can be reached on 571-272-4919. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Davis Hwu

Primary Examiner